

USSN - 09/446,677

D2
Conclude
NO:24 (ii) a variant which has at least 50% sequence similarity with any of said proteins, or (iii) a subsequence of at least 6 consecutive amino acids of any of said proteins.

Please add the following new claim:

D3
17 (new). The method of claim 1 in which the subsequence (iii) comprises at least 100 consecutive amino acids of sequence of (i).

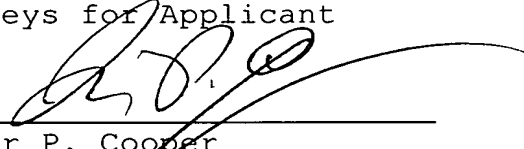
REMARKS

These amendments are made to clarify the scope of "variant" and of "subsequence". For 50% similarity, see P14, L14. For at least 6 AAs, see P15, L32. For at least 100 AAs, see P16, L2.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version with markings to show changes made".

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the claims:

Claims 1 and 8 have been amended as follows:

1 (amended). Species specific method for identifying infection of a mammal with Chlamydia pneumoniae, said method comprising detecting in a patient or in a patient sample the presence of antibodies against (i) one or more proteins from the outer membrane of Chlamydia pneumoniae, said proteins being outer membrane proteins selected from proteins having the sequence as shown in SEQ ID NO:2, SEQ ID NO:4, SEQ ID NO:6, SEQ ID NO:8, SEQ ID NO:10, SEQ ID NO:12, SEQ ID NO:14, SEQ ID NO:16, SEQ ID NO:18, SEQ ID NO:20, SEQ ID NO:22, or in SEQ ID NO:24, [or a variant or subsequence thereof or being said proteins encoded by the nucleic acid fragments selected from nucleotide sequence shown in SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:5, SEQ ID NO:7, SEQ ID NO:9, SEQ ID NO:11, SEQ ID NO:13, SEQ ID NO:15, SEQ ID NO:17, SEQ ID NO:19, SEQ ID NO:21, or in SEQ ID NO:23, or a variant or subsequence thereof and wherein a subsequence of 100 nucleic acids or lower shows a homology of at least 80%] (ii) a variant which has at least 50% sequence similarity with any of said proteins, or (iii) a subsequence of at least 6 consecutive amino acids of any of said proteins.

8 (amended). A diagnostic kit for the diagnosis of infection of a mammal, such as a human, with Chlamydia pneumoniae, said kit comprising [antibodies] an antibody against (i) a protein with the amino acid sequence SEQ ID NO:2, SEQ ID NO:4, SEQ ID NO:6, SEQ ID NO:8, SEQ ID NO:10, SEQ ID NO:12, SEQ ID NO:14, SEQ ID NO:16, SEQ ID NO:18, SEQ ID NO:20, SEQ ID NO:22, or SEQ ID NO:24[, or a variant or subsequence thereof] (ii) a variant which has at least 50% sequence similarity with any of said proteins, or (iii) a subsequence of at least 6 consecutive amino acids of any of said proteins.

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Claim 17 has been added.